

METHOD FOR MEASURING DIELECTRIC BREAKDOWN OF SHEET LIKE INSULATOR

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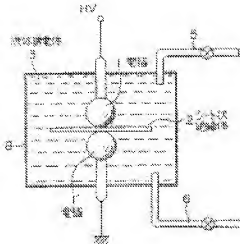
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Abstract of JP 62034076 (A)

PURPOSE: To make it possible to simply and accurately perform the capacity evaluation of dielectric breakdown within a short time, by setting the product of the specific inductivity of a liquid medium in which an electrode is immersed and the AC breakdown voltage measured in a predetermined electrode gap to a predetermined value or more. **CONSTITUTION:** A sheet 2 tested is held between upper and lower spherical electrodes 1, 1' to be set in a container 8 and, if necessary, after air in the container 8 was evacuated through a pipe 5, the container 8 is filled with a liquid medium 3. The liquid 3 is injected so as to immerse at least the greater part of the upper electrode 1. Then, testing AC voltage or impulse voltage is applied to the upper electrode 1. The liquid medium 3 is desirable innocuous and hard to chemically react with the sheet 2 tested and low in viscosity and reduced in wt. reduction by volatilization and chemically stable. As the liquid medium 3, one of which the product of its specific inductivity and AC breakdown voltage measured when the gap between electrodes is set to 2.5mm is 200kV.mm or more, for example, tricresyl phosphate is used.



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